

L Number	Hits	Search Text	DB	Time stamp
1	11	("20040066970" "20030206653" "20030044073" "20030007680" "20020181775" "20020181765" "20030004907" "20030004583" "20020164074" "20020181799" "20030099397").did.	US-PGPUB	2004/04/18 18:22
2	11	("20040066970" "20030206653" "20030044073" "20030007680" "20020181775" "20020181765" "20030004907" "20030004583" "20020164074" "20020181799" "20030099397" "6728400").did.	US-PGPUB	2004/04/18 18:22
3	11	("20040066970" "20030206653" "20030044073" "20030007680" "20020181775" "20020181765" "20030004907" "20030004583" "20020164074" "20020181799" "20030099397" "6728400").did.	USPAT; US-PGPUB	2004/04/18 18:22
4	11	("20040066970" "20030206653" "20030044073" "20030007680" "20020181775" "20020181765" "20030004907" "20030004583" "20020164074" "20020181799" "20030099397" "6728400").pn.	USPAT; US-PGPUB	2004/04/18 18:23
5	0	( "6728400").pn.	USPAT; US-PGPUB	2004/04/18 18:23
6	0	("6728400").pn.	USPAT; US-PGPUB	2004/04/18 18:25
7	0	("us-6728400-\$").did.	USPAT; US-PGPUB	2004/04/18 18:24
8	0	("us-6728400-\$").did.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/18 18:24
9	14	("6728400" "6674905" "6650778" "6654497" "6453069" "6640004" "6118475" "5235408" "5325176" "5343291" "5162656" "5148036" "5160848" "5155370" "5114236").pn.	USPAT	2004/04/18 18:26
-	9	(us-6088490-\$ us-5664064-\$ us-5268684-\$ us-5146106-\$ us-5059814-\$ us-5058184-\$ us-5049758-\$ us-4876731-\$ jp-5242069-\$ jp-2856702-\$ jp-08315141-\$ jp-08153198-\$ jp-8153148-\$ jp-7334478-\$ jp-7262157-\$ jp-634236-\$ jp-55124879-\$).did.	USPAT; JPO	2004/04/16 07:51
-	15	(us-6088490-\$ us-5664064-\$ us-5268684-\$ us-5146106-\$ us-5059814-\$ us-5058184-\$ us-5049758-\$ us-4876731-\$ jp-05242069-\$ jp-02856702-\$ jp-08315141-\$ jp-08153198-\$ jp-08153148-\$ jp-07334478-\$ jp-07262157-\$ jp-0634236-\$ jp-55124879-\$).did.	USPAT; JPO	2004/04/16 15:14
-	15	(us-6088490-\$ us-5664065-\$ us-5268684-\$ us-5146106-\$ us-5059814-\$ us-5058184-\$ us-5049758-\$ us-4876731-\$ jp-05242069-\$ jp-02856702-\$ jp-08315141-\$ jp-08153198-\$ jp-08153148-\$ jp-07334478-\$ jp-07262157-\$ jp-0634236-\$ jp-55124879-\$).did.	USPAT; JPO	2004/04/18 13:04
-	15	(us-6088490-\$ us-5664065-\$ us-5268684-\$ us-5146106-\$ us-5059814-\$ us-5058184-\$ us-5049758-\$ us-4876731-\$ jp-05242069-\$ jp-02856702-\$ jp-08315141-\$ jp-08153198-\$ jp-08153148-\$ jp-07334478-\$ jp-07262157-\$ jp-0634236-\$ jp-55124879-\$).did.	USPAT; JPO	2004/04/16 08:00
-	3	(jp-05108804-\$ jp-00537317-\$ jp-10327054-\$ jp-02717662-\$ jp-08321747-\$ jp-02941847-\$ jp-02763296-\$ jp-02879670-\$).did.	JPO	2004/04/16 08:06
-	0	(us-05108804-\$ us-00537317-\$ us-10327054-\$ us-02717662-\$ us-08321747-\$ us-02941847-\$ us-02763296-\$ us-02879670-\$).did.	USPAT	2004/04/16 08:05
-	6	(us-5108804-\$ us-0537317-\$ us-10327054-\$ us-2717662-\$ us-8321747-\$ us-2941847-\$ us-2763296-\$ us-2879670-\$).did.	USPAT	2004/04/16 14:53
-	3	(jp-05108804-\$ jp-0537317-\$ jp-10327054-\$ jp-2717662-\$ jp-08321747-\$ jp-2941847-\$ jp-2763296-\$ jp-2879670-\$).did.	JPO	2004/04/16 08:06

-	3	(jp-05108804-\$ jp-537317-\$ jp-10327054-\$ jp-2717662-\$ jp-08321747-\$ jp-2941847-\$ jp-2763296-\$ jp-2879670-\$).did.	JPO	2004/04/16 08:07
-	42948	pattern\$1 adj (recogni\$5 or detect\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/16 08:08
-	342152	signal adj process\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/17 18:44
-	1970735	feature\$1	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/17 18:43
-	109730	pulse adj signal\$1	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/16 15:16
-	13901	arrival adj time\$1	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/16 15:16
-	29	(pattern\$1 adj (recogni\$5 or detect\$4)) and (signal adj process\$3) and feature\$1 and (pulse adj signal\$1) and (arrival adj time\$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/18 11:08
-	0	((pattern\$1 adj (recogni\$5 or detect\$4)) and (signal adj process\$3) and feature\$1 and (pulse adj signal\$1) and (arrival adj time\$1)) and ((us-6088490-\$ us-5664064-\$ us-5268684-\$ us-5146106-\$ us-5059814-\$ us-5058184-\$ us-5049758-\$ us-4876731-\$ jp-05242069-\$ jp-02856702-\$ jp-08315141-\$ jp-08153198-\$ jp-08153148-\$ jp-07334478-\$ jp-07262157-\$ jp-0634236-\$ jp-55124879-\$).did.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/16 15:20
-	4	(pattern\$1 adj (recogni\$5 or detect\$4)) and ((us-6088490-\$ us-5664064-\$ us-5268684-\$ us-5146106-\$ us-5059814-\$ us-5058184-\$ us-5049758-\$ us-4876731-\$ jp-05242069-\$ jp-02856702-\$ jp-08315141-\$ jp-08153198-\$ jp-08153148-\$ jp-07334478-\$ jp-07262157-\$ jp-0634236-\$ jp-55124879-\$).did.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/16 15:24
-	3	(signal adj process\$3) and ((us-6088490-\$ us-5664064-\$ us-5268684-\$ us-5146106-\$ us-5059814-\$ us-5058184-\$ us-5049758-\$ us-4876731-\$ jp-05242069-\$ jp-02856702-\$ jp-08315141-\$ jp-08153198-\$ jp-08153148-\$ jp-07334478-\$ jp-07262157-\$ jp-0634236-\$ jp-55124879-\$).did.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/16 08:16
-	6	feature\$1 and ((us-6088490-\$ us-5664064-\$ us-5268684-\$ us-5146106-\$ us-5059814-\$ us-5058184-\$ us-5049758-\$ us-4876731-\$ jp-05242069-\$ jp-02856702-\$ jp-08315141-\$ jp-08153198-\$ jp-08153148-\$ jp-07334478-\$ jp-07262157-\$ jp-0634236-\$ jp-55124879-\$).did.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/16 08:16

	2	(pulse adj signal\$1) and ((us-6088490-\$ us-5664064-\$ us-5268684-\$ us-5146106-\$ us-5059814-\$ us-5058184-\$ us-5049758-\$ us-4876731-\$ jp-05242069-\$ jp-02856702-\$ jp-08315141-\$ jp-08153198-\$ jp-08153148-\$ jp-07334478-\$ jp-07262157-\$ jp-0634236-\$ jp-55124879-\$).did.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/16 15:19
	0	(arrival adj time\$1) and ((us-6088490-\$ us-5664064-\$ us-5268684-\$ us-5146106-\$ us-5059814-\$ us-5058184-\$ us-5049758-\$ us-4876731-\$ jp-05242069-\$ jp-02856702-\$ jp-08315141-\$ jp-08153198-\$ jp-08153148-\$ jp-07334478-\$ jp-07262157-\$ jp-0634236-\$ jp-55124879-\$).did.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/16 08:16
	488	706/20.cccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/16 13:41
	269	382/156.cccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/16 13:35
	200	706/31.cccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/16 13:34
	50	("5630021" "5720004" "5729623" "5416850" "5506915" "5040230" "5259038" "5553196" "5666468" "5875439" "5481621" "5793932" "5845048" "5740274" "5875108" "5995651" "6208758" "6475753" "5003490" "5381513" "5481644" "5671337" "5751904" "5911035" "5371413" "4937872" "5566273" "4906940" "6028956" "5542006" "5912986" "4941122" "5295197" "5588091" "6018728" "4959532" "5048100" "5255342" "5271090" "5274744" "5402519" "5416891" "5420939" "5459636" "5497430" "5511134" "5570457" "5699449" "5710830" "6400989").pn.	USPAT	2004/04/18 11:09
	0	(us-6088490-\$ us-5664064-\$ us-5268684-\$ us-5146106-\$ us-5059814-\$ us-5058184-\$ us-5049758-\$ us-4876731-\$ jp-05242069-\$ jp-02856702-\$ jp-08315141-\$ jp-08153198-\$ jp-08153148-\$ jp-07334478-\$ jp-07262157-\$ jp-0634236-\$ jp-55124879-\$).did. and ((("5630021" "5720004" "5729623" "5416850" "5506915" "5040230" "5259038" "5553196" "5666468" "5875439" "5481621" "5793932" "5845048" "5740274" "5875108" "5995651" "6208758" "6475753" "5003490" "5381513" "5481644" "5671337" "5751904" "5911035" "5371413" "4937872" "5566273" "4906940" "6028956" "5542006" "5912986" "4941122" "5295197" "5588091" "6018728" "4959532" "5048100" "5255342" "5271090" "5274744" "5402519" "5416891" "5420939" "5459636" "5497430" "5511134" "5570457" "5699449" "5710830" "6400989").pn.)	USPAT; JPO	2004/04/16 13:35
	280	382/159.cccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/16 13:35
	2	(us-6088490-\$ us-5664064-\$ us-5268684-\$ us-5146106-\$ us-5059814-\$ us-5058184-\$ us-5049758-\$ us-4876731-\$ jp-05242069-\$ jp-02856702-\$ jp-08315141-\$ jp-08153198-\$ jp-08153148-\$ jp-07334478-\$ jp-07262157-\$ jp-0634236-\$ jp-55124879-\$).did. and 706/20.cccls.	USPAT; JPO	2004/04/16 15:22

	0	(us-6088490-\$ us-5664064-\$ us-5268684-\$ us-5146106-\$ us-5059814-\$ us-5058184-\$ us-5049758-\$ us-4876731-\$ jp-05242069-\$ jp-02856702-\$ jp-08315141-\$ jp-08153198-\$ jp-08153148-\$ jp-07334478-\$ jp-07262157-\$ jp-0634236-\$ jp-55124879-\$).did. and 382/156.ccls.	USPAT; JPO	2004/04/16 15:24
	1	(us-6088490-\$ us-5664064-\$ us-5268684-\$ us-5146106-\$ us-5059814-\$ us-5058184-\$ us-5049758-\$ us-4876731-\$ jp-05242069-\$ jp-02856702-\$ jp-08315141-\$ jp-08153198-\$ jp-08153148-\$ jp-07334478-\$ jp-07262157-\$ jp-0634236-\$ jp-55124879-\$).did. and 706/31.ccls.	USPAT; JPO	2004/04/16 15:26
	0	(us-6088490-\$ us-5664064-\$ us-5268684-\$ us-5146106-\$ us-5059814-\$ us-5058184-\$ us-5049758-\$ us-4876731-\$ jp-05242069-\$ jp-02856702-\$ jp-08315141-\$ jp-08153198-\$ jp-08153148-\$ jp-07334478-\$ jp-07262157-\$ jp-0634236-\$ jp-55124879-\$).did. and 382/156.ccls.	USPAT; JPO	2004/04/16 15:28
	0	(us-6088490-\$ us-5664064-\$ us-5268684-\$ us-5146106-\$ us-5059814-\$ us-5058184-\$ us-5049758-\$ us-4876731-\$ jp-05242069-\$ jp-02856702-\$ jp-08315141-\$ jp-08153198-\$ jp-08153148-\$ jp-07334478-\$ jp-07262157-\$ jp-0634236-\$ jp-55124879-\$).did. and 382/156.ccls.	USPAT; JPO	2004/04/16 15:28
	0	((("5630021" "5720004" "5729623" "5416850" "5506915" "5040230" "5259038" "5553196" "5666468" "5875439" "5481621" "5793932" "5845048" "5740274" "5875108" "5995651" "6208758" "6475753" "5003490" "5381513" "5481644" "5671337" "5751904" "5911035" "5371413" "4937872" "5566273" "4906940" "6028956" "5542006" "5912986" "4941122" "5295197" "5588091" "6018728" "4959532" "5048100" "5255342" "5271090" "5274744" "5402519" "5416891" "5420939" "5459636" "5497430" "5511134" "5570457" "5699449" "5710830" "6400989").pn.) (us-6088490-\$ us-5664064-\$ us-5268684-\$ us-5146106-\$ us-5059814-\$ us-5058184-\$ us-5049758-\$ us-4876731-\$ jp-05242069-\$ jp-02856702-\$ jp-08315141-\$ jp-08153198-\$ jp-08153148-\$ jp-07334478-\$ jp-07262157-\$ jp-0634236-\$ jp-55124879-\$).did. and 382/156.ccls.	USPAT; JPO	2004/04/16 15:28
	6	((("5630021" "5720004" "5729623" "5416850" "5506915" "5040230" "5259038" "5553196" "5666468" "5875439" "5481621" "5793932" "5845048" "5740274" "5875108" "5995651" "6208758" "6475753" "5003490" "5381513" "5481644" "5671337" "5751904" "5911035" "5371413" "4937872" "5566273" "4906940" "6028956" "5542006" "5912986" "4941122" "5295197" "5588091" "6018728" "4959532" "5048100" "5255342" "5271090" "5274744" "5402519" "5416891" "5420939" "5459636" "5497430" "5511134" "5570457" "5699449" "5710830" "6400989").pn.) and 382/156.ccls.	USPAT; JPO	2004/04/16 13:37
	7	((("5630021" "5720004" "5729623" "5416850" "5506915" "5040230" "5259038" "5553196" "5666468" "5875439" "5481621" "5793932" "5845048" "5740274" "5875108" "5995651" "6208758" "6475753" "5003490" "5381513" "5481644" "5671337" "5751904" "5911035" "5371413" "4937872" "5566273" "4906940" "6028956" "5542006" "5912986" "4941122" "5295197" "5588091" "6018728" "4959532" "5048100" "5255342" "5271090" "5274744" "5402519" "5416891" "5420939" "5459636" "5497430" "5511134" "5570457" "5699449" "5710830" "6400989").pn.) and 706/31.ccls.	USPAT; JPO	2004/04/16 13:37

-	9	((("5630021" "5720004" "5729623" "5416850" "5506915" "5040230" "5259038" "5553196" "5666468" "5875439" "5481621" "5793932" "5845048" "5740274" "5875108" "5995651" "6208758" "6475753" "5003490" "5381513" "5481644" "5671337" "5751904" "5911035" "5371413" "4937872" "5566273" "4906940" "6028956" "5542006" "5912986" "4941122" "5295197" "5588091" "6018728" "4959532" "5048100" "5255342" "5271090" "5274744" "5402519" "5416891" "5420939" "5459636" "5497430" "5511134" "5570457" "5699449" "5710830" "6400989").pn.) and 382/156.ccls.	USPAT; JPO	2004/04/16 13:37
-	19	((("5630021" "5720004" "5729623" "5416850" "5506915" "5040230" "5259038" "5553196" "5666468" "5875439" "5481621" "5793932" "5845048" "5740274" "5875108" "5995651" "6208758" "6475753" "5003490" "5381513" "5481644" "5671337" "5751904" "5911035" "5371413" "4937872" "5566273" "4906940" "6028956" "5542006" "5912986" "4941122" "5295197" "5588091" "6018728" "4959532" "5048100" "5255342" "5271090" "5274744" "5402519" "5416891" "5420939" "5459636" "5497430" "5511134" "5570457" "5699449" "5710830" "6400989").pn.) and 706/20.ccls.	USPAT; JPO	2004/04/16 13:37
-	6296	feature\$1 and (pattern\$1 adj (recogni\$5 or detect\$4)) and (signal adj process\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/18 11:09
-	120	706/48.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/16 13:41
-	0	706/48.ccls. and ((("5630021" "5720004" "5729623" "5416850" "5506915" "5040230" "5259038" "5553196" "5666468" "5875439" "5481621" "5793932" "5845048" "5740274" "5875108" "5995651" "6208758" "6475753" "5003490" "5381513" "5481644" "5671337" "5751904" "5911035" "5371413" "4937872" "5566273" "4906940" "6028956" "5542006" "5912986" "4941122" "5295197" "5588091" "6018728" "4959532" "5048100" "5255342" "5271090" "5274744" "5402519" "5416891" "5420939" "5459636" "5497430" "5511134" "5570457" "5699449" "5710830" "6400989").pn.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/16 13:42
-	0	(us-6088490-\$ us-5664064-\$ us-5268684-\$ us-5146106-\$ us-5059814-\$ us-5058184-\$ us-5049758-\$ us-4876731-\$ jp-05242069-\$ jp-02856702-\$ jp-08315141-\$ jp-08153198-\$ jp-08153148-\$ jp-07334478-\$ jp-07262157-\$ jp-0634236-\$ jp-55124879-\$).did. and 706/48.ccls.	USPAT; JPO	2004/04/16 15:29
-	116	(feature\$1 and (pattern\$1 adj (recogni\$5 or detect\$4)) and (signal adj process\$3)) and 706/20.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/16 13:42
-	41	(feature\$1 and (pattern\$1 adj (recogni\$5 or detect\$4)) and (signal adj process\$3)) and 382/156.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/16 13:43

-	41	(feature\$1 and (pattern\$1 adj (recogni\$5 or detect\$4)) and (signal adj process\$3)) and 706/31.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/16 13:43
-	40	(feature\$1 and (pattern\$1 adj (recogni\$5 or detect\$4)) and (signal adj process\$3)) and 382/159.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/16 13:43
-	2	(feature\$1 and (pattern\$1 adj (recogni\$5 or detect\$4)) and (signal adj process\$3)) and 706/48.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/16 13:43
-	0	(pattern\$1 adj (recogni\$5 or detect\$4)) and (signal adj process\$3) and feature\$1 and (pulse adj signal\$1) and (arrival adj time\$1) and 382/156.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/16 13:47
-	1	(pattern\$1 adj (recogni\$5 or detect\$4)) and (signal adj process\$3) and feature\$1 and (pulse adj signal\$1) and (arrival adj time\$1) and 706/20.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/16 13:49
-	0	(pattern\$1 adj (recogni\$5 or detect\$4)) and (signal adj process\$3) and feature\$1 and (pulse adj signal\$1) and (arrival adj time\$1) and 706/31.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/16 13:47
-	0	(pattern\$1 adj (recogni\$5 or detect\$4)) and (signal adj process\$3) and feature\$1 and (pulse adj signal\$1) and (arrival adj time\$1) and ("5630021" "5720004" "5729623" "5416850" "5506915" "5040230" "5259038" "5553196" "5666468" "5875439" "5481621" "5793932" "5845048" "5740274" "5875108" "5995651" "6208758" "6475753" "5003490" "5381513" "5481644" "5671337" "5751904" "5911035" "5371413" "4937872" "5566273" "4906940" "6028956" "5542006" "5912986" "4941122" "5295197" "5588091" "6018728" "4959532" "5048100" "5255342" "5271090" "5274744" "5402519" "5416891" "5420939" "5459636" "5497430" "5511134" "5570457" "5699449" "5710830" "6400989").pn.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/16 13:47
-	0	(pattern\$1 adj (recogni\$5 or detect\$4)) and (signal adj process\$3) and feature\$1 and (pulse adj signal\$1) and (arrival adj time\$1) and 382/159.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/16 13:47
-	0	(pattern\$1 adj (recogni\$5 or detect\$4)) and (signal adj process\$3) and feature\$1 and (pulse adj signal\$1) and (arrival adj time\$1) and 706/48.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/16 13:48
-	48399	time\$1 adj (range or limit\$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/16 15:35

	0	(us-6088490-\$ us-5664064-\$ us-5268684-\$ us-5146106-\$ us-5059814-\$ us-5058184-\$ us-5049758-\$ us-4876731-\$ jp-05242069-\$ jp-02856702-\$ jp-08315141-\$ jp-08153198-\$ jp-08153148-\$ jp-07334478-\$ jp-07262157-\$ jp-0634236-\$ jp-55124879-\$).did. and (time\$1 adj (range or limit\$1))	USPAT; JPO	2004/04/16 14:53
	0	(us-5108804-\$ us-0537317-\$ us-10327054-\$ us-2717662-\$ us-8321747-\$ us-2941847-\$ us-2763296-\$ us-2879670-\$).did. and (time\$1 adj (range or limit\$1))	USPAT	2004/04/16 14:53
	7	(pattern\$1 adj (recogni\$5 or detect\$4)) and (signal adj process\$3) and feature\$1 and (pulse adj signal\$1) and (arrival adj time\$1) and (time\$1 adj (range or limit\$1))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/18 11:13
	0	(us-6088490-\$ us-5664064-\$ us-5268684-\$ us-5146106-\$ us-5059814-\$ us-5058184-\$ us-5049758-\$ us-4876731-\$ jp-05242069-\$ jp-02856702-\$ jp-08315141-\$ jp-08153198-\$ jp-08153148-\$ jp-07334478-\$ jp-07262157-\$ jp-0634236-\$ jp-55124879-\$).did. and ((pattern\$1 adj (recogni\$5 or detect\$4)) and (signal adj process\$3) and feature\$1 and (pulse adj signal\$1) and (arrival adj time\$1) and (time\$1 adj (range or limit\$1)))	USPAT; JPO	2004/04/16 15:14
1534	1534	pulse adj signal\$1 and (time\$1 adj (range or limit\$1))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/16 15:16
	66	arrival adj time\$1 and (pulse adj signal\$1 and (time\$1 adj (range or limit\$1)))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/18 11:15
	0	(us-6088490-\$ us-5664065-\$ us-5268684-\$ us-5146106-\$ us-5059814-\$ us-5058184-\$ us-5049758-\$ us-4876731-\$ jp-05242069-\$ jp-02856702-\$ jp-08315141-\$ jp-08153198-\$ jp-08153148-\$ jp-07334478-\$ jp-07262157-\$ jp-0634236-\$ jp-55124879-\$).did. and (arrival adj time\$1 and (pulse adj signal\$1 and (time\$1 adj (range or limit\$1))))	USPAT; JPO	2004/04/16 15:18
	5	(pulse adj signal\$1) and ((us-6088490-\$ us-5664065-\$ us-5268684-\$ us-5146106-\$ us-5059814-\$ us-5058184-\$ us-5049758-\$ us-4876731-\$ jp-05242069-\$ jp-02856702-\$ jp-08315141-\$ jp-08153198-\$ jp-08153148-\$ jp-07334478-\$ jp-07262157-\$ jp-0634236-\$ jp-55124879-\$).did.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/16 15:19
	0	((pattern\$1 adj (recogni\$5 or detect\$4)) and (signal adj process\$3) and feature\$1 and (pulse adj signal\$1) and (arrival adj time\$1)) and ((us-6088490-\$ us-5664065-\$ us-5268684-\$ us-5146106-\$ us-5059814-\$ us-5058184-\$ us-5049758-\$ us-4876731-\$ jp-05242069-\$ jp-02856702-\$ jp-08315141-\$ jp-08153198-\$ jp-08153148-\$ jp-07334478-\$ jp-07262157-\$ jp-0634236-\$ jp-55124879-\$).did.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/16 15:21
	3	(us-6088490-\$ us-5664065-\$ us-5268684-\$ us-5146106-\$ us-5059814-\$ us-5058184-\$ us-5049758-\$ us-4876731-\$ jp-05242069-\$ jp-02856702-\$ jp-08315141-\$ jp-08153198-\$ jp-08153148-\$ jp-07334478-\$ jp-07262157-\$ jp-0634236-\$ jp-55124879-\$).did. and 706/20.ccls.	USPAT; JPO	2004/04/16 15:22

	0	(us-6088490-\$ us-5664065-\$ us-5268684-\$ us-5146106-\$ us-5059814-\$ us-5058184-\$ us-5049758-\$ us-4876731-\$ jp-05242069-\$ jp-02856702-\$ jp-08315141-\$ jp-08153198-\$ jp-08153148-\$ jp-07334478-\$ jp-07262157-\$ jp-0634236-\$ jp-55124879-\$).did. and 382/156.cccls.	USPAT; JPO	2004/04/16 15:24
	9	(pattern\$1 adj (recogni\$5 or detect\$4)) and ((us-6088490-\$ us-5664065-\$ us-5268684-\$ us-5146106-\$ us-5059814-\$ us-5058184-\$ us-5049758-\$ us-4876731-\$ jp-05242069-\$ jp-02856702-\$ jp-08315141-\$ jp-08153198-\$ jp-08153148-\$ jp-07334478-\$ jp-07262157-\$ jp-0634236-\$ jp-55124879-\$).did.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/17 18:38
	1	(us-6088490-\$ us-5664065-\$ us-5268684-\$ us-5146106-\$ us-5059814-\$ us-5058184-\$ us-5049758-\$ us-4876731-\$ jp-05242069-\$ jp-02856702-\$ jp-08315141-\$ jp-08153198-\$ jp-08153148-\$ jp-07334478-\$ jp-07262157-\$ jp-0634236-\$ jp-55124879-\$).did. and 706/31.cccls.	USPAT; JPO	2004/04/16 15:36
	0	(us-6088490-\$ us-5664065-\$ us-5268684-\$ us-5146106-\$ us-5059814-\$ us-5058184-\$ us-5049758-\$ us-4876731-\$ jp-05242069-\$ jp-02856702-\$ jp-08315141-\$ jp-08153198-\$ jp-08153148-\$ jp-07334478-\$ jp-07262157-\$ jp-0634236-\$ jp-55124879-\$).did. and (("5630021" "5720004" "5729623" "5416850" "5506915" "5040230" "5259038" "5553196" "5666468" "5875439" "5481621" "5793932" "5845048" "5740274" "5875108" "5995651" "6208758" "6475753" "5003490" "5381513" "5481644" "5671337" "5751904" "5911035" "5371413" "4937872" "5566273" "4906940" "6028956" "5542006" "5912986" "4941122" "5295197" "5588091" "6018728" "4959532" "5048100" "5255342" "5271090" "5274744" "5402519" "5416891" "5420939" "5459636" "5497430" "5511134" "5570457" "5699449" "5710830" "6400989").pn.)	USPAT; JPO	2004/04/16 15:28
	0	(us-6088490-\$ us-5664065-\$ us-5268684-\$ us-5146106-\$ us-5059814-\$ us-5058184-\$ us-5049758-\$ us-4876731-\$ jp-05242069-\$ jp-02856702-\$ jp-08315141-\$ jp-08153198-\$ jp-08153148-\$ jp-07334478-\$ jp-07262157-\$ jp-0634236-\$ jp-55124879-\$).did. and 382/159.cccls.	USPAT; JPO	2004/04/16 15:28
	0	(us-6088490-\$ us-5664065-\$ us-5268684-\$ us-5146106-\$ us-5059814-\$ us-5058184-\$ us-5049758-\$ us-4876731-\$ jp-05242069-\$ jp-02856702-\$ jp-08315141-\$ jp-08153198-\$ jp-08153148-\$ jp-07334478-\$ jp-07262157-\$ jp-0634236-\$ jp-55124879-\$).did. and 706/48.cccls.	USPAT; JPO	2004/04/16 15:29
	783102	time\$1 same (range or limit\$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/16 15:36
	1	(us-6088490-\$ us-5664065-\$ us-5268684-\$ us-5146106-\$ us-5059814-\$ us-5058184-\$ us-5049758-\$ us-4876731-\$ jp-05242069-\$ jp-02856702-\$ jp-08315141-\$ jp-08153198-\$ jp-08153148-\$ jp-07334478-\$ jp-07262157-\$ jp-0634236-\$ jp-55124879-\$).did. and (time\$1 same (range or limit\$1))	USPAT; JPO	2004/04/16 15:36
	5	(us-6088490-\$ us-5664065-\$ us-5268684-\$ us-5146106-\$ us-5059814-\$ us-5058184-\$ us-5049758-\$ us-4876731-\$ jp-05242069-\$ jp-02856702-\$ jp-08315141-\$ jp-08153198-\$ jp-08153148-\$ jp-07334478-\$ jp-07262157-\$ jp-0634236-\$ jp-55124879-\$).did. and imag\$5	USPAT; JPO	2004/04/17 10:57

-	0	(us-6088490-\$ us-5664065-\$ us-5268684-\$ us-5146106-\$ us-5059814-\$ us-5058184-\$ us-5049758-\$ us-4876731-\$ jp-05242069-\$ jp-02856702-\$ jp-08315141-\$ jp-08153198-\$ jp-08153148-\$ jp-07334478-\$ jp-07262157-\$ jp-0634236-\$ jp-55124879-\$).did. and delay same modulation	USPAT; JPO	2004/04/17 10:57
-	3243	delay same modulation same pulse	USPAT; JPO	2004/04/17 10:58
-	1049	(delay same modulation same pulse) same phase	USPAT; JPO	2004/04/18 11:14
-	1	(pattern\$1 adj (recogni\$5 or detect\$4)) and (signal adj process\$3) and feature\$1 and (pulse adj signal\$1) and (arrival adj time\$1) and ((delay same modulation same pulse) same phase)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/17 16:46
-	506	basis adj function\$1 same sens\$9	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/17 16:48
-	76	(basis adj function\$1 same sens\$9) same direct\$5	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/18 11:14
-	0	(us-6088490-\$ us-5664065-\$ us-5268684-\$ us-5146106-\$ us-5059814-\$ us-5058184-\$ us-5049758-\$ us-4876731-\$ jp-05242069-\$ jp-02856702-\$ jp-08315141-\$ jp-08153198-\$ jp-08153148-\$ jp-07334478-\$ jp-07262157-\$ jp-0634236-\$ jp-55124879-\$).did. and ((basis adj function\$1 same sens\$9) same direct\$5)	USPAT; JPO	2004/04/17 16:49
-	1	(pattern\$1 adj (recogni\$5 or detect\$4)) and (signal adj process\$3) and feature\$1 and (pulse adj signal\$1) and (arrival adj time\$1) and ((basis adj function\$1 same sens\$9) same direct\$5)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/17 16:49
-	0	("5630021" "5720004" "5729623" "5416850" "5506915" "5040230" "5259038" "5553196" "5666468" "5875439" "5481621" "5793932" "5845048" "5740274" "5875108" "5995651" "6208758" "6475753" "5003490" "5381513" "5481644" "5671337" "5751904" "5911035" "5371413" "4937872" "5566273" "4906940" "6028956" "5542006" "5912986" "4941122" "5295197" "5588091" "6018728" "4959532" "5048100" "5255342" "5271090" "5274744" "5402519" "5416891" "5420939" "5459636" "5497430" "5511134" "5570457" "5699449" "5710830" "6400989").pn. and ((basis adj function\$1 same sens\$9) same direct\$5)	USPAT	2004/04/17 16:50
-	4	feature\$1 and (pattern\$1 adj (recogni\$5 or detect\$4)) and (signal adj process\$3) and ((basis adj function\$1 same sens\$9) same direct\$5)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/17 16:57
-	23	feature\$1 and (pattern\$1 adj (recogni\$5 or detect\$4)) and (signal adj process\$3) and (basis adj function\$1 same sens\$9)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/17 18:35
-	108	populat\$4 adj cod\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/17 18:36

	0	(pattern\$1 adj (recogni\$5 or detect\$4)) and ((us-6088490-\$us-5664065-\$ us-5268684-\$ us-5146106-\$ us-5059814-\$ us-5058184-\$ us-5049758-\$ us-4876731-\$ jp-05242069-\$jp-02856702-\$ jp-08315141-\$ jp-08153198-\$jp-08153148-\$ jp-07334478-\$ jp-07262157-\$ jp-0634236-\$jp-55124879-\$).did.) and (populat\$4 adj cod\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/17 18:38
	0	(us-6088490-\$ us-5664065-\$ us-5268684-\$ us-5146106-\$ us-5059814-\$ us-5058184-\$ us-5049758-\$ us-4876731-\$ jp-05242069-\$jp-02856702-\$ jp-08315141-\$ jp-08153198-\$jp-08153148-\$ jp-07334478-\$ jp-07262157-\$ jp-0634236-\$jp-55124879-\$).did. and (populat\$4 adj cod\$4)	USPAT; JPO	2004/04/17 18:39
	0	("5630021" "5720004" "5729623" "5416850" "5506915" "5040230" "5259038" "5553196" "5666468" "5875439" "5481621" "5793932" "5845048" "5740274" "5875108" "5995651" "6208758" "6475753" "5003490" "5381513" "5481644" "5671337" "5751904" "5911035" "5371413" "4937872" "5566273" "4906940" "6028956" "5542006" "5912986" "4941122" "5295197" "5588091" "6018728" "4959532" "5048100" "5255342" "5271090" "5274744" "5402519" "5416891" "5420939" "5459636" "5497430" "5511134" "5570457" "5699449" "5710830" "6400989").pn. and (populat\$4 adj cod\$4)	USPAT	2004/04/17 18:41
	2	(pattern\$1 adj (recogni\$5 or detect\$4)) and (signal adj process\$3) and feature\$1 and (populat\$4 adj cod\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/17 18:43
	81	feature\$1 and (populat\$4 adj cod\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/18 11:13
	10	signal adj process\$3 and (feature\$1 and (populat\$4 adj cod\$4))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/17 21:31
	5834	shutter same drive same signal	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/17 21:31
	0	(us-6088490-\$ us-5664065-\$ us-5268684-\$ us-5146106-\$ us-5059814-\$ us-5058184-\$ us-5049758-\$ us-4876731-\$ jp-05242069-\$jp-02856702-\$ jp-08315141-\$ jp-08153198-\$jp-08153148-\$ jp-07334478-\$ jp-07262157-\$ jp-0634236-\$jp-55124879-\$).did. and (shutter same drive same signal)	USPAT; JPO	2004/04/17 21:31
	1	(pattern\$1 adj (recogni\$5 or detect\$4)) and (signal adj process\$3) and feature\$1 and (pulse adj signal\$1) and (arrival adj time\$1) and (shutter same drive same signal)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/17 21:32

-	0	("5630021" "5720004" "5729623" "5416850" "5506915" "5040230" "5259038" "5553196" "5666468" "5875439" "5481621" "5793932" "5845048" "5740274" "5875108" "5995651" "6208758" "6475753" "5003490" "5381513" "5481644" "5671337" "5751904" "5911035" "5371413" "4937872" "5566273" "4906940" "6028956" "5542006" "5912986" "4941122" "5295197" "5588091" "6018728" "4959532" "5048100" "5255342" "5271090" "5274744" "5402519" "5416891" "5420939" "5459636" "5497430" "5511134" "5570457" "5699449" "5710830" "6400989").pn. and (shutter same drive same signal)	USPAT	2004/04/17 21:32
-	26	feature\$1 and (pattern\$1 adj (recogni\$5 or detect\$4)) and (signal adj process\$3) and (shutter same drive same signal)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/17 21:33
-	10592	priorit\$4 adj level	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/18 11:08
-	0	(us-6088490-\$ us-5664065-\$ us-5268684-\$ us-5146106-\$ us-5059814-\$ us-5058184-\$ us-5049758-\$ us-4876731-\$ jp-05242069-\$ jp-02856702-\$ jp-08315141-\$ jp-08153198-\$ jp-08153148-\$ jp-07334478-\$ jp-07262157-\$ jp-0634236-\$ jp-55124879-\$).did. and (priorit\$4 adj level)	USPAT; JPO	2004/04/18 11:08
-	1	(pattern\$1 adj (recogni\$5 or detect\$4)) and (signal adj process\$3) and feature\$1 and (pulse adj signal\$1) and (arrival adj time\$1) and (priorit\$4 adj level)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/18 11:09
-	0	("5630021" "5720004" "5729623" "5416850" "5506915" "5040230" "5259038" "5553196" "5666468" "5875439" "5481621" "5793932" "5845048" "5740274" "5875108" "5995651" "6208758" "6475753" "5003490" "5381513" "5481644" "5671337" "5751904" "5911035" "5371413" "4937872" "5566273" "4906940" "6028956" "5542006" "5912986" "4941122" "5295197" "5588091" "6018728" "4959532" "5048100" "5255342" "5271090" "5274744" "5402519" "5416891" "5420939" "5459636" "5497430" "5511134" "5570457" "5699449" "5710830" "6400989").pn. and (priorit\$4 adj level)	USPAT	2004/04/18 11:09
-	57	feature\$1 and (pattern\$1 adj (recogni\$5 or detect\$4)) and (signal adj process\$3) and (priorit\$4 adj level)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/18 11:09
-	1	(pattern\$1 adj (recogni\$5 or detect\$4)) and (signal adj process\$3) and feature\$1 and (pulse adj signal\$1) and (arrival adj time\$1) and (time\$1 adj (range or limit\$1)) and (feature\$1 and (pattern\$1 adj (recogni\$5 or detect\$4)) and (signal adj process\$3) and (priorit\$4 adj level))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/18 11:13
-	1	feature\$1 and (populat\$4 adj cod\$4) and (feature\$1 and (pattern\$1 adj (recogni\$5 or detect\$4)) and (signal adj process\$3) and (priorit\$4 adj level))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/18 11:13
-	1	(basis adj function\$1 same sens\$9) same direct\$5 and (feature\$1 and (pattern\$1 adj (recogni\$5 or detect\$4)) and (signal adj process\$3) and (priorit\$4 adj level))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/18 11:14

-	0	(delay same modulation same pulse) same phase and (feature\$1 and (pattern\$1 adj (recogni\$5 or detect\$4)) and (signal adj process\$3) and (priorit\$4 adj level))	USPAT; JPO	2004/04/18 11:14
-	1	arrival adj time\$1 and (pulse adj signal\$1 and (time\$1 adj (range or limit\$1))) and (feature\$1 and (pattern\$1 adj (recogni\$5 or detect\$4)) and (signal adj process\$3) and (priorit\$4 adj level))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/18 11:15
-	327150	(degree\$1 or angl\$3 or inclin\$6) same (gaz\$3 or view\$3 or look\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/18 13:04
-	0	(us-6088490-\$ us-5664065-\$ us-5268684-\$ us-5146106-\$ us-5059814-\$ us-5058184-\$ us-5049758-\$ us-4876731-\$ jp-05242069-\$ jp-02856702-\$ jp-08315141-\$ jp-08153198-\$ jp-08153148-\$ jp-07334478-\$ jp-07262157-\$ jp-0634236-\$ jp-55124879-\$).did. and ((degree\$1 or angl\$3 or inclin\$6) same (gaz\$3 or view\$3 or look\$3))	USPAT; JPO	2004/04/18 13:04
-	1	("20040066970").did.	US-PGPUB	2004/04/18 17:54
-	2	("20040066970" "20030206653").did.	US-PGPUB	2004/04/18 17:57
-	3	("20040066970" "20030206653" "20030044073").did.	US-PGPUB	2004/04/18 18:00
-	5	("20040066970" "20030206653" "20030044073" "20030007680" "20020181775").did.	US-PGPUB	2004/04/18 18:04
-	8	("20040066970" "20030206653" "20030044073" "20030007680" "20020181775" "20020181765" "20030004907" "20030004583").did.	US-PGPUB	2004/04/18 18:10



US Patent &amp; Trademark Office

Subscribe (Full Service) Register (Limited Service, Free) Login

Search:  The ACM Digital Library  The Guide

+PATTERN +RECOGNIZING +FEATURE +DETECTING +ELEM...



THE ACM DIGITAL LIBRARY

[Feedback](#) [Report a problem](#) [Satisfaction survey](#)

Terms used

**PATTERN RECOGNIZING FEATURE DETECTING ELEMENTS**

Found 2,008 of 131,734

Sort results by

 relevance 
 Save results to a Binder[Try an Advanced Search](#)

Display results

 condensed form 
 Search Tips[Try this search in The ACM Guide](#) Open results in a new window

Results 1 - 20 of 200

Result page: **1** [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) [next](#)

Best 200 shown

Relevance scale

- 1 [Fast detection of communication patterns in distributed executions](#)
- 2 [Three-dimensional object recognition](#)
- 3 [Model-based recognition in robot vision](#)
- 4 [Technique for automatically correcting words in text](#)
- 5 [Computational strategies for object recognition](#)
- 6 [Face recognition: A literature survey](#)
- 7 [Translator writing systems](#)

Thomas Kunz, Michiel F. H. Seuren  
November 1997 **Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative research**  
Full text available: pdf(4.21 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Paul J. Besl, Ramesh C. Jain  
March 1985 **ACM Computing Surveys (CSUR)**, Volume 17 Issue 1  
Full text available: pdf(7.76 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

Roland T. Chin, Charles R. Dyer  
March 1986 **ACM Computing Surveys (CSUR)**, Volume 18 Issue 1  
Full text available: pdf(4.94 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

Karen Kukich  
December 1992 **ACM Computing Surveys (CSUR)**, Volume 24 Issue 4  
Full text available: pdf(6.23 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

Paul Suetens, Pascal Fua, Andrew J. Hanson  
March 1992 **ACM Computing Surveys (CSUR)**, Volume 24 Issue 1  
Full text available: pdf(6.37 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

W. Zhao, R. Chellappa, P. J. Phillips, A. Rosenfeld  
December 2003 **ACM Computing Surveys (CSUR)**, Volume 35 Issue 4  
Full text available: pdf(4.28 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Jerome Feldman, David Gries  
 February 1968 **Communications of the ACM**, Volume 11 Issue 2  
 Full text available:  pdf(4.47 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

8 Content analysis: Foreground object detection from videos containing complex background  
 Liyuan Li, Weimin Huang, Irene Y. H. Gu, Qi Tian  
 November 2003 **Proceedings of the eleventh ACM international conference on Multimedia**  
 Full text available:  pdf(281.54 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

9 Temporal sequence learning and data reduction for anomaly detection  
 Terran Lane, Carla E. Brodley  
 August 1999 **ACM Transactions on Information and System Security (TISSEC)**, Volume 2 Issue 3  
 Full text available:  pdf(628.31 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

10 Parallel pattern recognition using fuzzy cooperative expert systems  
 Moti Schneider, Eliahu Shnaider, Abe Kandel  
 April 1992 **Proceedings of the 1992 ACM/SIGAPP Symposium on Applied computing: technological challenges of the 1990's**  
 Full text available:  pdf(636.11 KB) Additional Information: [full citation](#), [references](#), [index terms](#)

11 Model-based object recognition in dense-range images—a review  
 Farshid Arman, J. K. Aggarwal  
 March 1993 **ACM Computing Surveys (CSUR)**, Volume 25 Issue 1  
 Full text available:  pdf(3.42 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

12 The FINITE STRING Newsletter: Abstracts of current literature  
 Computational Linguistics Staff  
 January 1987 **Computational Linguistics**, Volume 13 Issue 1-2  
 Full text available:  pdf(6.16 MB) Additional Information: [full citation](#)

13 Web data extraction and structure mining: Schema-guided wrapper maintenance for web-data extraction  
 Xiaofeng Meng, Dongdong Hu, Chen Li  
 November 2003 **Proceedings of the fifth ACM international workshop on Web information and data management**  
 Full text available:  pdf(406.19 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

14 Requirements interaction management  
 William N. Robinson, Suzanne D. Pawłowski, Vecheslav Volkov  
 June 2003 **ACM Computing Surveys (CSUR)**, Volume 35 Issue 2  
 Full text available:  pdf(1.24 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

15 Picture Processing by Computer  
 Azriel Rosenfeld  
 September 1969 **ACM Computing Surveys (CSUR)**, Volume 1 Issue 3  
 Full text available:  pdf(2.69 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

16 Computational Approaches to Image Understanding  
 Michael Brady  
 January 1982

**ACM Computing Surveys (CSUR)**, Volume 14 Issue 1Full text available:  pdf(10.04 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)**17 Pattern-based fault diagnosis using neural networks**

W. E. Dietz, E. L. Kiech, M. Ali

June 1988 **Proceedings of the first international conference on Industrial and engineering applications of artificial intelligence and expert systems - Volume 1**Full text available:  pdf(1.01 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)**18 Progress in Picture Processing: 1969-71**

Azriel Rosenfeld

June 1973 **ACM Computing Surveys (CSUR)**, Volume 5 Issue 2Full text available:  pdf(2.34 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)**19 Extracting usability information from user interface events**

David M. Hilbert, David F. Redmiles

December 2000 **ACM Computing Surveys (CSUR)**, Volume 32 Issue 4Full text available:  pdf(1.50 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)**20 Computer Processing of Line-Drawing Images**

Herbert Freeman

January 1974 **ACM Computing Surveys (CSUR)**, Volume 6 Issue 1Full text available:  pdf(3.18 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

Results 1 - 20 of 200

Result page: **1** [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) [next](#)

The ACM Portal is published by the Association for Computing Machinery. Copyright © 2004 ACM, Inc.

[Terms of Usage](#) [Privacy Policy](#) [Code of Ethics](#) [Contact Us](#)Useful downloads:  [Adobe Acrobat](#)  [QuickTime](#)  [Windows Media Player](#)  [Real Player](#)



» Se

## Welcome to IEEE Xplore

- Home
- What Can I Access?
- Log-out

## Tables of Contents

- Journals & Magazines
- Conference Proceedings
- Standards

## Search

- By Author
- Basic
- Advanced

## Member Services

- Join IEEE
- Establish IEEE Web Account
- Access the IEEE Member Digital Library

Your search matched **5** documents.

A maximum of **500** results are displayed, **15** to a page, sorted by **Relevance Descending** order.

**Results Key:****JNL** = Journal or Magazine **CNF** = Conference **STD** = Standard**1 Convolutional spiking neural network model for robust face detection**

*Matsugu, M.; Mori, K.; Ishii, M.; Mitarai, Y.;*  
Neural Information Processing, 2002. ICONIP '02. Proceedings of the 9th International Conference on , Volume: 2 , 18-22 Nov. 2002  
Pages:660 - 664 vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(540KB\)\]](#) **IEEE CNF****2 Facial expression recognition combined with robust face detection in convolutional neural network**

*Matsugu, M.; Mori, K.; Mitarai, Y.; Keneda, Y.;*  
Neural Networks, 2003. Proceedings of the International Joint Conference on , Volume: 3 , 20-24 July 2003  
Pages:2243 - 2246 vol.3

[\[Abstract\]](#) [\[PDF Full-Text \(381KB\)\]](#) **IEEE CNF****3 Hierarchical pulse-coupled neural network model with temporal coding and emergent feature binding mechanism**

*Matsugu, M.;*  
Neural Networks, 2001. Proceedings. IJCNN '01. International Joint Conference on , Volume: 2 , 15-19 July 2001  
Pages:802 - 807 vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(508KB\)\]](#) **IEEE CNF****4 Entrainment and chaos in a respiratory neural network model with oscillatory input**

*Matsugu, M.; Duffin, J.; Chi-Sang Poon;*  
Engineering in Medicine and Biology Society, 1993. Proceedings of the 15th Annual International Conference of the IEEE , Oct 28-31, 1993  
Pages:477 - 478

[\[Abstract\]](#) [\[PDF Full-Text \(118KB\)\]](#) **IEEE CNF****5 Estimation Of Information Capacity In Oscillatory Neural Networks**

*Matsugu, M.; Chi-Sang Poon;*  
Neural Networks, 1993. IJCNN '93-Nagoya. Proceedings of 1993 International Conference on , Volume: 1 , October 25-29, 1993  
Pages:425 - 428

[\[Abstract\]](#) [\[PDF Full-Text \(288KB\)\]](#) [IEEE CNF](#)

---

[Home](#) | [Log-out](#) | [Journals](#) | [Conference Proceedings](#) | [Standards](#) | [Search by Author](#) | [Basic Search](#) | [Advanced Search](#) | [Join IEEE](#) | [Web Account](#) |  
[New this week](#) | [OPAC Linking Information](#) | [Your Feedback](#) | [Technical Support](#) | [Email Alerting](#) | [No Robots Please](#) | [Release Notes](#) | [IEEE Online Publications](#) | [Help](#) | [FAQ](#) | [Terms](#) | [Back to Top](#)

Copyright © 2004 IEEE — All rights reserved